

## Overview

The Passive CCTV Hub Plus allows video, remote power and PTZ control to be transmitted via one Cat5e/6 cable, thus eliminating the need to install multiple cables for more efficient cabling in the security video environment. The hub includes a 16-channel 18/2 power cable assembly to allow the hub to be connected to a 16-channel CCTV power supply for greater ease of installation.





## Features/Benefits

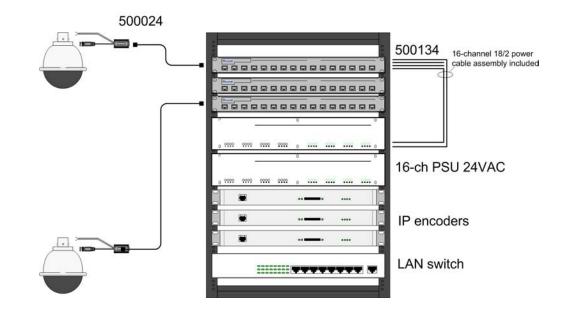
Port switch to set Power-Thru or Pass-Thru mode Includes 16-channel 18/2 power cable assembly Pin configuration table on unit Space efficient, rackmountable

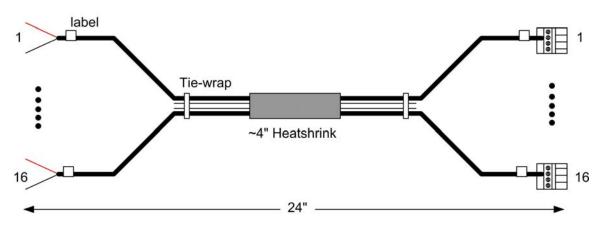
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Specifications					
Environment	Composite video; NTSC, PAL, SECAM				
Devices	CCTV cameras, DVRs, monitors, switchers, multiplexers and other CCTV equipt.				
Transmission	Transparent to the user.				
Video					
Bandwidth	DC to 8 MHz.				
Maximum Input	1.1Vp-p				
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 8 MHz				
Return Loss	Greater than 15 dB over the frequency range from DC to 8 MHz				
Common Mode Rejection	Greater than 40 dB @ 8 MHz				
Max. Distance - Colour	Cat 3 –1,200 ft (365m); Cat5e/6 – 2,200 ft. (670m)*				
	*Shorter distances will result with DVR equipment. Typically 1,000 to 1,500 ft				
Max. Distance - B&W	Cat 3 –1,500 ft (457m); Cat5e/6 – 2,500 ft (762m)				
Remote Power	te Power				
Switch Mode	Pass-Thru Mode (500022)		Power-Thru Mode (500024/500029)		
Number of twisted pairs	Two (2)		Three (3)	,	
Max. Distance @ 24VAC*	5 VA: 350 ft (107m) 10 vA: 175 ft	107m) 10 vA: 175 ft (53m) 5 VA		5 VA: 518 ft (170m) 10 VA: 259 ft (85 m)	
*Based on 10% voltage drop at	20 VA: 90 ft (30m) 30 vA: 60 ft (20m)		20 VA: 130 ft (43 m) 30 VA: 86 ft (28 m)		
camera. Longer distances may be					
achieved @ 28 VAC.	50 Volts (AC RMS/DC). Recommended Class II PSU with fuse protection per port				
Maximum Input Voltage	, , , , , , , , , , , , , , , , , , , ,				
Maximum Current Rating	4.5A (AC RMS/DC)				
·	22, Manchester/Bi-Phase, half duplex RS485) – Pass-Thru Mode (500022)				
Wiring	Remote 2-wire PTZ control supported via one (1) twisted pair.				
Maximum Distance	Up to 4,000 ft (1.2 km) depending on the PTZ camera vendor**  **Please consult your CCTV equipment vendor for more detailed performance specifications.				
Maximum Power Rating	50 Volts (AC RMS/DC); 3A (AC RMS/DC)				
Mechanical & Environmental					
Cable – UTP	24 AWG or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz				
Cable - 01P					
Cable - Coax	Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz Impedance: 75 Ω at 1 MHz. (RG59/U). Max. 25 ft. of coax allowed end to end.				
Connectors	Video: 16 BNC-F Power: 16 2-pole terminals. Control: 16 2-pole terminals. Includes				
Connectors	16-channel 24" (61cm) 18AWG/2-wire power cable assembly terminated on 4-pc				
	screw terminal blocks (Packaged separately). Terminal blocks mate with hub. Combined signals: 16 RJ45 jacks				
Port Configuration Switch	· · · · · · · · · · · · · · · · · · ·				
RJ45 Pin Configuration*	Signal	500022		500024/500029 Mode	
*Reverse polarity sensitive	Power A (+)	1, 3	modo	1, 3, 5	
	Power B (-)	2, 6		2, 4, 6	
	Control (+)	4		Not used	
	Control (-) Video BNC Center (Tip)	5 7 [T] opp	osite to 500000	Not used 7 [T] opposite to 500000	
			osite to 500000	8 [R] opposite to 500000	
Temperature	Operating: 0° to 55°C. Storage:-20° to 85°C. Humidity: up to 95%				
Enclosure	Black, anodized aluminum				
Dimensions	19" (48.26 cm) W x 1.75" (4.4 cm) H x 1.5" ( 5.1 cm) D				
Weight	2.6 lbs. (1.2kgs)				
Warranty	Lifetime				
Order Information	500134 Passive CCTV Hub Plus				
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Passive CCTV Hub Plus

## **Typical Application**





16-channel 18AWG/2-wire Cable Assembly

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